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NOTICE OF ALLOWANCE AND FEE(S) DUE

23599

06/28/2010

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. 2200 CLARENDON BLVD. **SUITE 1400** ARLINGTON, VA 22201

EXAMINER HENRY, MICHAEL C ART UNIT PAPER NUMBER

1623

DATE MAILED: 06/28/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,844	10/29/2003	Raphael Duval	PET-1802 D2	2492

TITLE OF INVENTION: CROSS-LINKED POLYMERS BASED ON BIS-SILANE, BIS-THIOETHER, BIS-SULPHOXIDE, BIS-SULPHONE AND BUTANE-DI-YL DERIVATIVES OF POLYSACCHARIDES AND OLIGOSACCHARIDES, AND THEIR SHAPING AS SUPPORT MATERIALS

ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE APPLN. TYPE SMALL ENTITY TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$0 \$1810 09/28/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

opropriate. All further idicated unless correcte naintenance fee notifica	ed below or directed oth	g the Patent, advance of terwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be i and/or	mailed to the current (b) indicating a sepa	correspon rate "FEE	idence address as E ADDRESS" for
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10/694,844	10/29/2003		Raphael Duval		•]	PET-1802 D2		2492
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	I	DATE DUE
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EXAM	INER	ART UNIT	CLASS-SUBCLASS	;					
HENRY, M	ICHAEL C	1623	536-055100						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney	of a single firm (having as a member a orney or agent) and the names of up to patent attorneys or agents. If no name is					
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON The field below, no assignee oletion of this form is NO categories (will not be presented to the presented of the presented	data will appear on t T a substitute for filing (B) RESIDENCE: (C	he pa g an a CITY	tent. If an assigne ssignment. and STATE OR Co	OUNT	TRY)		
i. The following fee(s): Issue Fee Publication Fee (N		4lbermitted)	o. Payment of Fee(s): (A check is enclos Payment by credi	(Pleased.	se first reapply an	y prev	iously paid issue fee	shown ab	ove)
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	tus (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAL	L ENT	ΓΙΤΥ status. See 37 CF	R 1.27(g))(2).
OTE: The Issue Fee and	d Publication Fee (if requ	uired) will not be accepte tes Patent and Trademark	d from anyone other th						
Authorized Signature					Date				
Typed or printed name			Registration No.						
application. Confident bmitting the completed is form and/or suggesti	tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	1.14. This collection is depending upon the is Chief Information O	s esti indivi Ifficer	mated to take 12 n dual case. Any cor . U.S. Patent and "	ninutes mment Fraden	to complete, including s on the amount of tir park Office, U.S. Depa	g gatherin ne you red artment of	ng, preparing, and quire to complete Commerce, P.O.

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10/694,844 10/29/2003 Raphael Duval PET-1802 D2 2492 23599 7590 06/28/2010 EXAMINER MILLEN, WHITE, ZELANO & BRANIGAN, P.C. HENRY, MICHAEL C	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
23599 7590 06/28/2010	10/694,844	10/29/2003	Raphael Duval	PET-1802 D2	2492		
MILLEN WHITE ZELANO & RRANIGAN D.C. HENRY, MICHAEL C	23599 759	90 06/28/2010		EXAMINER			
MILLEN, WILLE, ALLANO & DIANIOAN, L.C.	MILLEN, WHIT	E, ZELANO & BRA	HENRY, MICHAEL C				
2200 CLARENDON BLVD. ART UNIT PAPER NUMBER		N BLVD.	ART UNIT	PAPER NUMBER			
SUITE 1400 ARLINGTON, VA 22201 DATE MAILED: 06/28/2010	SUITE 1400 ARLINGTON VA 22201						

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 564 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 564 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	_
		, , , ,	
Notice of Allowability	10/694,844 Examiner	DUVAL, RAPHAEL Art Unit	_
·			
	MICHAEL C. HENRY	1623	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in) or other appropriate communication is sure.	this application. If not included nication will be mailed in due course. THIS	;
1. $igspace$ This communication is responsive to <u>the amendment filed</u>	<u>05/19/10</u> .		
2. X The allowed claim(s) is/are 2-13, 17, 18, 20, 21, 23 and 26	3-30. These claims are renum	bered 1-22, respectively.	
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		r (f).	
2. ☐ Certified copies of the priority documents have		a No	
3. ☐ Copies of the certified copies of the priority do	· ·		
International Bureau (PCT Rule 17.2(a)).	cuments have been received	in this national stage application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 D Notice of Inf	ormal Patent Application	
 Induce of References Cited (PTO-692) Induce of Draftperson's Patent Drawing Review (PTO-948) 		mmary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No./N	Mail Date Amendment/Comment	
Paper No./Mail Date <u>02/22/07</u>			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		Statement of Reasons for Allowance	
	9. Other		
	/Shaojia Anna s Supervisory Pate	Jiang/ ent Examiner, Art Unit 1623	

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DETAILED ACTION

Page 2

Claims 2-5, 13, 17, 18, 20, 21, 23 and 26-30 are directed to an allowable product.

Pursuant to the procedures set forth in MPEP § 821.04(B), claims 6-12, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 10/12/06 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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REASONS FOR ALLOWANCE

Applicant's amendment, filed 05/19/10 has overcome the rejections of the prior office

action mailed 03/18/10.

The following is an examiner's statement of reasons for allowance: The examiner has

found claims 2-13, 17, 18, 20, 21, 23 and 26-30 to be unobvious over the prior art of record and

therefore to be allowable over the prior art of record.

The present invention relates to a support material consisting essentially of a cross-linked

polymer compound in a three-dimensional network, comprising a radical of a given general

formula (II), wherein the radical of general formulae (II) is bound to at least one osidic chiral

unit of a linear, branched or cyclic linkage of a polysaccharide or oligosaccharide derivative

according to a given general formula (VIII), wherein said polymer compound is

intermolecularly, cross-linked in a tri-dimensional network and is insoluble in polar organic

solvents, and optionally containing a mineral or an organic support material. Also, the present

invention relates to a method of preparing said material. However, the method of the instant

invention is not taught or suggested in the prior art, nor is obvious over the prior art.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

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Art Unit: 1623

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Henry whose telephone number is 571-272-0652. The examiner can normally be reached on 8.30am-5pm; Mon-Fri. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shaojia A. Jiang can be reached on 571-272-0627. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Henry June 3, 2010.

/Shaojia Anna Jiang/ Supervisory Patent Examiner Art Unit 1623